

SOLID Transducers and Transmitters - Overview

All SOLID transducers and transmitters are internally isolated. The vibration transducers have a temperature range of -40 to +120 °C (-40 to +248 °F), whereas the 4–20 mA transmitters operate in -40 to +85 °C (-40 to +185 °F).

Vibration Transducers

Article no.	Ex	Thread	Connector	Frequency range	Sensitivity	Compatible with	TD sheet
SLD 121 A	-	M8	SMB	2–1000 Hz	1.2 mV/m/s ²	CMM, MG4, Intellinova	TD-283
SLD 121 B	-	M8	2-pin	2–1000 Hz	1.2 mV/m/s ²	CMM, MG4, Intellinova	TD-283
SLD 121 E	-	UNF 1/4"	SMB	2–1000 Hz	1.2 mV/m/s ²	CMM, MG4, Intellinova	TD-283
SLD 121 F	-	UNF 1/4"	2-pin	2–1000 Hz	1.2 mV/m/s ²	CMM, MG4, Intellinova	TD-283
SLD 122 A	-	M8	SMB	2–5000 Hz	4 mV/m/s ²	MG4, Intellinova	TD-283
SLD 122 B	-	M8	2-pin	2–5000 Hz	4 mV/m/s ²	MG4, Intellinova	TD-283
SLD 122 E	-	UNF 1/4"	SMB	2–5000 Hz	4 mV/m/s ²	MG4, Intellinova	TD-283
SLD 122 F	-	UNF 1/4"	2-pin	2–5000 Hz	4 mV/m/s ²	MG4, Intellinova	TD-283
SLD 144 B	-	M8	2-pin	2–10 000 Hz	10 mV/m/s ²	LEO, VCM, Intellinova	TD-283
SLD 144 F	-	UNF 1/4"	2-pin	2–10 000 Hz	10 mV/m/s ²	LEO, VCM, Intellinova	TD-283
SLD 243 B	Ex	M8	2-pin	2–10 000 Hz	5 mV/m/s ²	LEO, VCM, Intellinova	TD-215
SLD 243 F	Ex	UNF 1/4"	2-pin	2–10 000 Hz	5 mV/m/s ²	LEO, VCM, Intellinova	TD-215
SLD 244 B	Ex	M8	2-pin	2–10 000 Hz	10 mV/m/s ²	LEO, VCM, Intellinova	TD-215
SLD 244 F	Ex	UNF 1/4"	2-pin	2–10 000 Hz	10 mV/m/s ²	LEO, VCM, Intellinova	TD-215

Vibration Transducers with Side Entry

Article no.	Thread	Connector	Frequency range	Sensitivity	Compatible with	TD sheet
SLD 144 S	M8	2-pin	2–10 000 Hz	10 mV/m/s ²	LEO, VCM, Intellinova	TD-282
SLD 144 S-UNF	UNF 1/4"	2-pin	2–10 000 Hz	10 mV/m/s ²	LEO, VCM, Intellinova	TD-282

The frequency range is specified for the transducer when permanently installed. The measuring results will be affected at higher frequencies when using a magnetic foot.

Note: Ex approved transducers must be used together with transducer interface SPM 15226 or Ex approved zener barrier when used in explosive environment.

4-20 mA Vibration Transmitters

Article no.	Ex	Thread	Connector / Cable	Frequency range	Measuring range	TD sheet
SLD722 C	-	M8	Integrated cable, 3 m*	2 – 1000 Hz	0 – 12.5 mm/s	TD-285
SLD722 G	-	UNF 1/4"	Integrated cable, 3 m*	2 – 1000 Hz	0 – 0.5 in/s	TD-285
SLD 723 C	-	M8	Integrated cable, 3 m*	2 – 1000 Hz	0 – 25 mm/s	TD-285
SLD 723 -M10	-	M10	Integrated cable, 3 m*	2 – 1000 Hz	0 – 25 mm/s	TD-285
SLD 723 G	-	UNF 1/4"	Integrated cable, 3 m*	2 – 1000 Hz	0 – 1 in/s	TD-285
SLD 724 C	-	M8	Integrated cable, 3 m*	2 – 1000 Hz	0 – 50 mm/s	TD-285
SLD 724 G	-	UNF 1/4"	Integrated cable, 3 m*	2 – 1000 Hz	0 – 2 in/s	TD-285
SLD 733 C	-	M8	Integrated cable, 3 m*	10 – 1000 Hz	0 – 25 mm/s	TD-285
SLD 733 G	-	UNF 1/4"	Integrated cable, 3 m*	10 – 1000 Hz	0 – 1 in/s	TD-285
SLD 823 C	Ex	M8	Integrated cable, 3 m*	2 – 1000 Hz	0 – 25 mm/s	TD-254
SLD 823 G	Ex	UNF 1/4"	Integrated cable, 3 m*	2 – 1000 Hz	0 – 1 in/s	TD-254
SLD 833 C	Ex	M8	Integrated cable, 3 m*	10 – 1000 Hz	0 – 25 mm/s	TD-254
SLD 833 G	Ex	UNF 1/4"	Integrated cable, 3 m*	10 – 1000 Hz	0 – 1 in/s	TD-254

* Standard cable length is 3 meters, but optional lengths may be ordered (ex. SLDXXXX-L, L = length in meters, max. 30 m).

Note: Ex approved transmitters must be connected through a barrier when used in explosive environment.

